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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/081,880

02/21/2002

Ramesh Karri

Poly-23-2

9914

26479

7590

08/08/2006

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EXAMINER

TRAN, THIEN D

ART UNIT

PAPER NUMBER

2616

DATE MAILED: 08/08/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary	Application No. 10/081,880	Applicant(s) KARRI ET AL.	
	Examiner Thien D. Tran	Art Unit 2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05/15/2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19, 21-24 and 26-31 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 21-24 and 26-29 is/are allowed.
- 6) ☒ Claim(s) 1-12, 16-19, 30, 31 is/are rejected.
- 7) ☒ Claim(s) 13-15 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claim 1-3, 7-9, 11, 12, 16 are rejected under 35 U.S.C. 102(b) as being participated by Chevalier et al (US Patent No. 5,881,050).

Regarding claims 1, 9, Chevalier discloses for use with a node of a communications network, a method for setting up a connection in response to a request (col.8 lines 55-65), the method comprising:

- a) determining a next link of the connection based on routing information (determining a link for reservation, col.8 lines 30-40);
- b) determining whether the determined next link of the connection has sufficient capacity to meet that requested by the request (col.8 lines 60-63);
- c) if the determined next link of the connection is determined to not have sufficient capacity to meet that requested by the request, repeating (b) and (c) at least once to try an alternative next link (figure 6);
- d) if the determined next link of the connection is determined to have sufficient capacity to meet that requested by the request, then updating connection admission

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control information to decrease the capacity of the link to reflect the capacity requested by the request (col.14 lines 1-10).

d) only if it is determined that the determined link has sufficient communication resources to satisfy the call, then allocating communication resources of the link to the call (col.14 lines 1-10).

Regarding claims 2, 11, Chevalier discloses that the determined next link of the connection is determined to have sufficient capacity to meet that requested by the request, then further requesting a connection identifier (col.8 lines 60-63).

Regarding claims 3, 12, Chevalier discloses accepting a requested connection identifier received; and providing an interface number and allocation control information to an interface associated with the interface number (allocating bandwidth to connection identifier parameters base on the bandwidth request, col.12 lines 40-55).

Regarding claims 7, 8, 16, Chevalier discloses accepting allocated capacity information; updating switch mapping information in response to the received allocated capacity information; and updating state information based on the allocated capacity information (col.6 lines 35-40).

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claim 10, 30, 31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chevalier et al (US Patent No. 5,881,050) in the view of Etorre et al (U.S Patent No. 6,594,265).

Regarding claims 30, 31, Chevalier discloses limitations of the independent claims. Chevalier does not disclose updating connection admission control information to reflect the capacity requested by the request if the determined next link of the connection is determined to have sufficient capacity to meet that requested by the request, includes decreasing the capacity of the link. Etorre discloses CAC decreasing the bandwidth due to the bandwidth initial request, col.17 50-55, and updating the connection table, col.18 lines 40-45. Therefore, It would have been obvious to one having ordinary skill in the art to have the feature of updating connection admission control information to reflect the capacity requested by the request if the determined next link of the connection is determined to have sufficient capacity to meet that requested by the request, includes decreasing the capacity of the link so that the bandwidth allocation for the links can be achieved more efficient.

Regarding claim 10, Chevalier discloses limitations of the independent claim. Chevalier does not disclose that the device of the independent claim is a field programmable gate array. However, it would have been obvious to one having ordinary skill in the art to have the feature of field programmable gate array so that the device as claimed can be programmed to work properly.

Allowable Subject Matter

8. Claims 13-15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
9. Claims 21-24, 26-29 are allowed.

Response to Arguments

10. Applicant's arguments filed 05/15/2006 have been fully considered but they are not persuasive.

Applicant argues that Chevalier does not disclose the determined next link of the connection is determined to not have sufficient capacity to meet that requested by the request, repeating (b) and (c) at least once to try an alternative next link. However, Examiner respectfully disagrees with the argument because Chervalier discloses if request of preempted bandwidth X is not enough than (do not have sufficient capacity to meet the request), then don't keep the link, go on find a different link, and repeat until destination reached, (repeating (b) and (c) at least once to try an alternative next link) col.12 lines 50, 60, figure 6.

Conclusion

11. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

12. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Thien Tran whose telephone number is (571) 272-3156. The examiner can normally be reached on Monday-Friday from 8:30AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu, can be reached on (571) 272-3155. Any inquiry of a general nature of relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2600.

13. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

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For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have any questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197.

Patent Examiner

Thien Tran

A handwritten signature in black ink, appearing to read 'Doris H. To', with a stylized flourish at the end.

DORIS H. TO
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600